Welcome Back!!

1. Get your notes from the front table and tape them into your notebook (there is an example at the front of the room tape it in the same way)

2. Problem of the day

1. write and equivilant fraction of ½

2. Junior's brother is 1 ½ meters tall. Junior is ⅗ of his brothers height. How tall is Junior?

Module 6
Lesson 1
What is a Ratio?

I will understand and be
able to explain ratios

Ratio

A comparison of two quantities by division

★ **Must write in the correct order!!**
★ **Often expressed in simplest form**

Ways to Write a Ratio:

$$12 \text{ to } 5$$

Boys to Girls

$$\frac{12}{5}$$

Boys : Girls

$$\frac{Boys}{Girls}$$

Boys to Girls

Girls
Boys

3 Types of Ratios

Sam's Video Collection

Comedies	8
Dramas	3
Cartoons	2
Science Fiction	1

Total = 14

Part to Part	Comedies to Dramas
$\frac{8}{3}$ 8 to 3	8 : 3
Part to Whole	Dramas to Total
	3 : 14
Whole to Part	Total to Cartoons
	14 : 2

$\dfrac{\text{Words}}{\text{ratio label}}$	$\dfrac{\text{numbers}}{\text{ratio}}$	Ratio total=100	Ratio total=1000
$\dfrac{\text{red}}{\text{total}}$	$\overline{20}$ $\overset{\times 5}{\underset{\times 5}{\longrightarrow}}$	$\overline{100}$ $\overset{\times 10}{\underset{\times 10}{\longrightarrow}}$	$\overline{1000}$
$\dfrac{\text{Orange}}{\text{total}}$	$\overline{20}$ $\overset{\times 5}{\underset{\times 5}{\longrightarrow}}$	$\overline{100}$ $\overset{\times 10}{\underset{\times 10}{\longrightarrow}}$	$\overline{1000}$